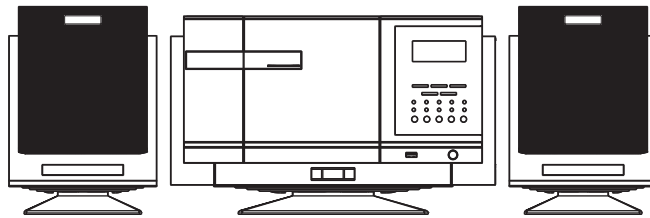


DATE: 15 FEB, 2008  
 MODEL Z-SA-1-Si / Z-SA-1-BL "AUNA"  
 SIZE: 102(W) X 136(H) MM FOR EACH PAGE  
 PRINTING COLOR: BLACK  
 MATERIAL: 80G WOODFREE PAPER  
 ENGLISH IM FOR APPROVAL

## OPERATING INSTRUCTIONS



**PLL**  
DIGITAL  
TUNER

**BLUE**  
BACKLIGHT  
DISPLAY

**MP3**  
DIGITAL  
PLAYBACK

**USB**  
FLASH MEMORY  
PLAYBACK

**CLOCK**  
QUARTZ  
DIGITAL

**IR**  
REMOTE  
CONTROL

**HIGH OUTPUT MICRO SHELF SYSTEM  
 DIGITAL CD-RADIO-CLOCK HI-FI  
 WITH WALL MOUNTING CAPABILITY**

**MODELL : Z-SA-1-Si  
 Z-SA-1-BL**



The lightning flash and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.

### CAUTION

**RISK OF ELECTRIC SHOCK  
 DO NOT OPEN**

**WARNING:** To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

### WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING LIQUIDS.



### CAUTION

DO NOT EXPOSE TO DRIPPING OR SPLASHING LIQUIDS!

**CAUTION:** GROUNDING OR POLARIZATION. THE PRECAUTIONS SHOULD BE TAKEN SO THAT THE WIDER BLADE OF THE AC PLUG MUST MATCH THE SLOT IN RECEPTACLE "WALL SOCKET".

**CAUTION:** INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

**VORSICHT:** UNSICHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZEN!

**VARNING:** OSYNLIG LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAND. STRÅLEN ÄR FÄRLIG.

**ADVARSEL:** USYNLIG LASERSTRÅLING VED ÅBNING. NÄR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS/ETTELSE FOR STRÅLING.

**ATTENZIONE:** RADIONS LASER INVISIDILE. NON GUARDARE DIRETTAMENTE NELLA SORGENTE DEL LASER.

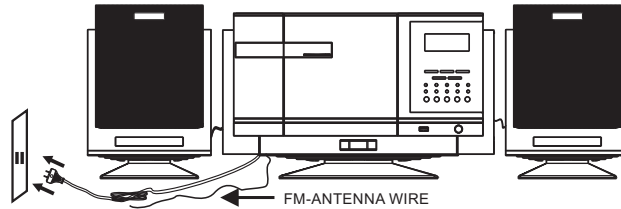
**ACHTUNG:** LASERLINSE NICHT BERÜHREN UNSICHTBARER LASERSTRAHL.  
 AVISO: A LENTE NUNCA DEVE SER TOCADA.




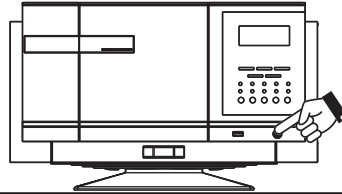
CLASS 1 LASER PRODUCT  
 KLASSE 1 LASER PRODUKT  
 LASER DE CLASSE  
 LASER DI PRIMA CLASSE  
 KLASSE 1 LASER  
 LASER PRIMERA CLASE  
 LASER CLASSE 1  
 KLASSE 1 LASER PRODUKT


## QUICK START !

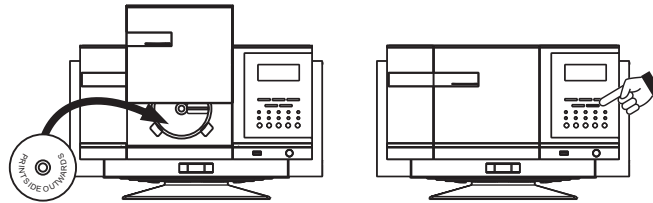
1. CONNECT THE SPEAKERS & TABLE STANDS
2. PLUG AC-CORD INTO WALL SOCKET & UNWRAP THE FM-ANTENNA WIRE



3. PRESS "ON/OFF" KEY  TO SWITCH "ON" THE UNIT



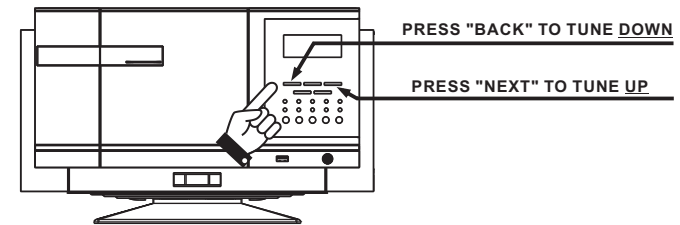
4. TO LISTEN TO CD-PLAYER
  - PRESS "FUNCTION" KEY REPEATEDLY UNTIL "CD" IS DISPLAYED
  - PRESS "OPEN/CLOSE" KEY
  - INSERT A DISC (CD-AUDIO or CD-MP3)
  - PRESS "PLAY" KEY (  ) TO START PLAYING CD
  - ADJUST VOLUME (VOL+) or (VOL-)



(CONTINUED)  
E-3

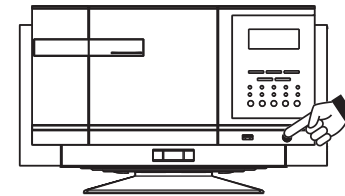
(CONTINUED)

5. TO LISTEN TO RADIO



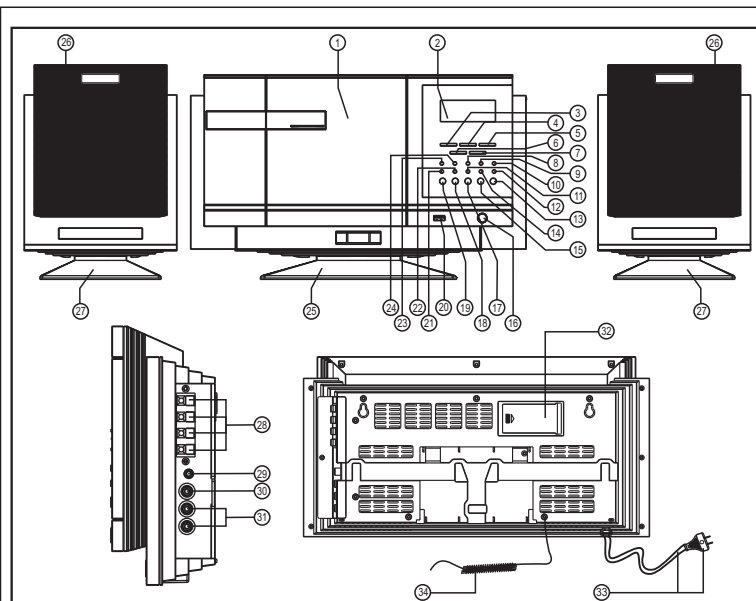
- PRESS "TUNER/ BAND" KEY TO SWITCH TO RADIO (TUNER) MODE
- PRESS "TUNER/ BAND" KEY TO SWITCH TO "FM" RADIO BAND.
- PRESS "TUNER/ BAND" KEY AGAIN TO SWITCH TO "AM" RADIO BAND.
- PRESS & RELEASE NEXT TO TUNE RADIO FREQUENCY UP (1-STEP).
- PRESS & RELEASE BACK TO TUNE RADIO FREQUENCY DOWN (1-STEP).
- "PRESS & HOLD" NEXT (2 SECS.) TO SCAN UP (TO SEEK NEXT STATION).
- "PRESS & HOLD" BACK (2 SECS.) TO SCAN DOWN (TO SEEK PREV. STATION).

6. PRESS "ON/OFF" KEY  TO "OFF" THE UNIT ("STANDBY MODE")



END

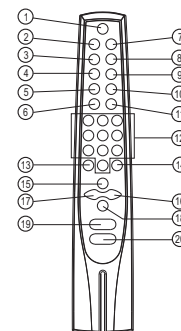
E-4



#### LOCATION OF CONTROLS

- |   |   |
|---|---|
| 1. CD DOOR (MOTORIZED)                            | 19. CD DOOR OPEN/ CLOSE KEY                       |
| 2. CD/ CLOCK/ RADIO DIGITAL MULTIFUNCTION DISPLAY | 20. USB SOCKET                                    |
| 3. CD BACK/ TUNE-DOWN KEY                         | 21. MEM. (-) / FOLDER- KEY                        |
| 4. CD PLAY/ PAUSE KEY                             | 22. SLEEP KEY                                     |
| 5. CD NEXT/ TUNE-UP KEY                           | 23. MEM. (+) / FOLDER+ KEY                        |
| 6. CD STOP KEY                                    | 24. TIMER KEY                                     |
| 7. FUNCTION KEY                                   | 25. DESK STAND (FOR MAIN UNIT)                    |
| 8. CD REPEAT KEY                                  | 26. SPEAKERS (LEFT & RIGHT)                       |
| 9. CD PROGRAM/ TIME KEY                           | 27. DESK STANDS (FOR SPEAKERS)                    |
| 10. FIND/ ESP/ DISPLAY KEY                        | 28. SPEAKER-OUT SOCKETS (LEFT & RIGHT)            |
| 11. MUTE KEY                                      | 29. HEADPHONE JACK                                |
| 12. TUNER/ BAND KEY                               | 30. SUB WOOFER OUTPUT                             |
| 13. EQ (EQUALIZER) KEY                            | 31. AUDIO LINE IN SOCKET [DVD/AUX] (LEFT & RIGHT) |
| 14. RANDOM KEY                                    | 32. BACK UP BATTERY COMPARTMENT (BEHIND THE UNIT) |
| 15. REMOTE CONTROL SENSOR                         | 33. AC-CORD & PLUG                                |
| 16. ON/ OFF KEY                                   | 34. FM-ANTENNA WIRE                               |
| 17. VOLUME UP KEY                                 |   |
| 18. VOLUME DOWN KEY                               |   |

E-5



#### REMOTE CONTROL

##### LOCATION OF REMOTE CONTROLS

- |                    |                               |
|--------------------|-------------------------------|
| 1. ON/ OFF BUTTON  | 11. MEMORY UP KEY             |
| 2. FIND/ M/S KEY   | 12. DIRECT KEYS (NUMBER KEYS) |
| 3. TIMER KEY       | 13. MUTE KEY                  |
| 4. EQ KEY          | 14. PROGRAM KEY               |
| 5. SLEEP KEY       | 15. CD PLAY/ PAUSE KEY        |
| 6. MEMORY DOWN KEY | 16. CD NEXT/ TUNE UP KEY      |
| 7. BAND KEY        | 17. CD BACK/ TUNE DOWN KEY    |
| 8. INTRO KEY       | 18. CD STOP KEY               |
| 9. FUNCTION KEY    | 19. VOLUME UP KEY             |
| 10. REPEAT KEY     | 20. VOLUME DOWN KEY           |

#### POWER SUPPLY

- THIS SET WORKS ON NORMAL HOUSEHOLD AC-POWER.
- MAKE SURE THE SET VOLTAGE OF THE UNIT MATCHES YOUR LOCAL VOLTAGE.
- INSERT THE PLUG OF THE AC-CORD INTO A WALL OUTLET WITH AC-POWER.
- PRESS THE ON/ OFF KEY TO SWITCH "ON" THE UNIT.

##### IMPORTANT : HOW TO TELL IF POWER IS "ON" ?

WHEN THE POWER IS "ON" THE ENTIRE DIGITAL DISPLAY WILL BE LIT UP WITH A "BLUE" BACK-LIGHT. THIS INDICATES THE HI-FI IS SWITCHED "ON".

- THIS UNIT IS DESIGNED TO OPERATE WITHOUT EVER BEING TOTALLY POWERED "OFF". IT WILL EITHER BE "ON" OR "STANDBY MODE".
- IN STANDBY MODE, THE BLUE BACK-LIGHT OF THE DIGITAL DISPLAY WILL BE SWITCHED OFF BUT THE DISPLAY WILL SHOW THE CURRENT TIME (CLOCK FUNCTION).
- WHEN IN STANDBY MODE, YOU CAN USE THE POWER SWITCH (ON REMOTE CONTROL OR ON FRONT PANEL OF THE MAIN UNIT) TO SWITCH "ON" THE UNIT.
- TO CONSERVE ELECTRICITY, PLEASE SWITCH THE UNIT TO "STANDBY MODE" WHEN NOT LISTENING TO RADIO OR CD MUSIC.

#### CONNECTION OF SPEAKER BOXES

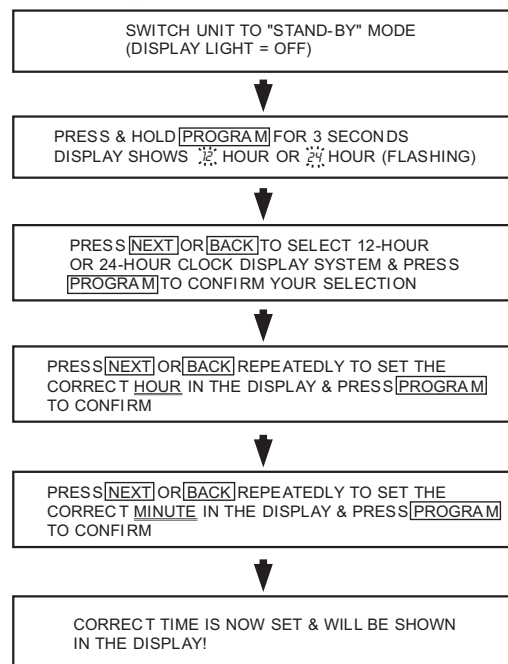
- UNWRAP THE SPEAKER-CORDS OF BOTH SPEAKER-BOXES.
- INSERT THE "RED" WIRE OF THE LEFT SPEAKER-BOX INTO THE "RED" ( + ) SPEAKER CONNECTOR BEHIND THE MAIN-UNIT, WHICH HAS THE "L" INDICATION (UNDER THE SPEAKER-CONNECTOR).
- INSERT THE "BLACK" WIRE OF THE LEFT SPEAKER-BOX INTO THE "BLACK" ( - ) SPEAKER CONNECTOR BEHIND THE MAIN-UNIT, WHICH HAS THE "L" INDICATION (UNDER THE SPEAKER-CONNECTOR).
- REPEAT THE ABOVE 2 STEPS FOR THE RED & BLACK WIRES OF THE "RIGHT" SPEAKER BOX, BUT THIS TIME, INSERTING THEM INTO THE RED & BLACK CONNECTORS WITH THE "R" INDICATION.
- WHEN INSERTING EACH WIRE INTO A CONNECTOR, PRESS DOWNWARDS ON THE CONNECTOR'S PLASTIC KNOB (RED OR BLACK PART) & PUSH THE EXPOSED METAL END OF THE WIRE ALL THE WAY INTO THE HOLE ABOVE THIS KNOB.
- PLACE THE SPEAKER BOXES AS FAR APART AS POSSIBLE FOR BEST SOUND EFFECT.

E-6

## DIGITAL CLOCK FUNCTION

### HOW TO SET CORRECT TIME:

- THE SET HAS A BUILT-IN DIGITAL CLOCK, WHICH IS DISPLAYED WHEN THE UNIT IS IN "STANDBY MODE" OR WHEN YOU PRESS & HOLD [PROGRAM] KEY FOR TWO SECONDS DURING CD OR RADIO OPERATION.
- TO SET THE CORRECT TIME, FOLLOW THIS PROCEDURE:



## AUTOMATIC POWER ON/OFF TIMER FUNCTION

- THIS SET HAS A TIMER FUNCTION TO ENABLE YOU TO PROGRAM THE UNIT TO AUTOMATICALLY SWITCH "ON" OR "OFF" AT PRESET TIMES. THIS IS USEFUL AS A MORNING ALARM CLOCK :

### HOW TO SET TIMER

1. PRESS AND HOLD [TIMER] KEY. THE [⓪ ON] SYMBOL APPEARS IN THE DISPLAY.
2. PRESS NEXT OR BACK TO ADJUST THE HOUR OF THE DESIRED "POWER ON" TIME AND THEN PRESS [TIMER] TO CONFIRM.
3. PRESS NEXT OR BACK TO ADJUST THE MINUTES OF THE DESIRED "POWER ON" TIME AND THEN PRESS [TIMER] TO CONFIRM.
4. NOW THE SYMBOL IN THE DISPLAY CHANGES TO SHOW [⓪ OFF].
5. PRESS NEXT OR BACK TO ADJUST THE HOUR OF THE DESIRED "POWER OFF" TIME AND THEN PRESS [TIMER] TO CONFIRM.
6. PRESS NEXT OR BACK TO ADJUST THE MINUTES OF THE DESIRED "POWER OFF" TIME AND THEN PRESS [TIMER] TO CONFIRM.
7. NOW THE DISPLAY WILL INDICATE THE "WAKE UP MODE" (CD OR RADIO). PRESS NEXT TO CHOOSE THE DESIRED MODE & PRESS [TIMER] TO CONFIRM.
8. THE DISPLAY THEN SHOWS THE "WAKE UP VOLUME LEVEL" (LOUDNESS). PRESS BACK OR NEXT TO DECREASE OR INCREASE THE VOLUME LEVEL TO BE USED FOR THE MUSIC TO BE PLAYED WHEN THE TIMER SWITCHES ON THE UNIT AT THE PRE-SET TIME.
9. PRESS [TIMER] TO CONFIRM. THE UNIT WILL THEN AUTOMATICALLY DISPLAY ALL YOUR SETTINGS IN SEQUENCE:

"POWER ON TIME" ( [⓪ ON] )



"POWER OFF TIME" ( [⓪ OFF] )



"POWER ON MODE" (CD OR TUNER)



"POWER ON VOLUME LEVEL" (LOUDNESS)

10. FINALLY THE UNIT WILL RETURN TO THE NORMAL DISPLAY, EXCEPT THAT THE SYMBOL ⓪ WILL BE SHOWN, TO INDICATE THAT YOU HAVE PROGRAMMED A POWER ON/OFF ALARM SETTING.

11. IN CASE YOU WISH TO DISABLE THE TIMER, PRESS [TIMER] & THE ⓪ SYMBOL DISAPPEARS.

(NOTE : THE AUTOMATIC POWER ON/OFF TIMER WILL SWITCH ON THE UNIT AS IF YOU HAVE MANUALLY PRESSED THE "POWER" KEY. IF YOU HAVE SELECTED "WAKE TO RADIO", THE EXACT PRESET RADIO BAND & STATION WILL BECOME ACTIVATED WHEN POWER SWITCHES ON).

## AUTOMATIC POWER OFF SLEEP FUNCTION

- THIS SET HAS A SPECIAL SLEEP TIMER FUNCTION WHICH CAN AUTOMATICALLY SWITCH OFF THE UNIT. THIS IS USEFUL FOR SLEEPING TO MUSIC AT NIGHT.

- AT ANY TIME WHILE THE UNIT IS OPERATING (CD PLAYER OR RADIO), PRESS [SLEEP] KEY REPEATEDLY TO CHOOSE THE AUTOMATIC POWER OFF TIME.



(\*OFF MEANS SLEEP TIMER IS DEACTIVATED)

### ELECTRONIC VOLUME CONTROL

- THIS UNIT USES AN ELECTRONIC VOLUME CONTROL (PUSH BUTTON TYPE) .
- TO INCREASE OR DECREASE THE LOUDNESS OF UNIT, PRESS THE VOLUME UP (VOL +) OR VOLUME DOWN (VOL -) KEYS RESPECTIVELY.
- RELEASE THE KEY WHEN VOLUME LEVEL IS AT THE DESIRED LOUDNESS.
- SOMETIMES, ESPECIALLY DURING LISTENING TO THE RADIO, YOU MAY NOTICE A "CLICK-CLICK-CLICK" (REPEATING) SOUND WHEN YOU ARE INCREASING OR DECREASING THE VOLUME. THIS IS A NORMAL CONDITION & THE SOUND WILL DISAPPEAR WHEN YOU RELEASE THE VOLUME KEY (WHEN YOU REACH THE DESIRED VOLUME LEVEL).

### MUSIC EQUALIZER

- PRESS **[EQ]** KEY REPEATEDLY TO CHOOSE THE DESIRED SOUND EFFECT ACCORDING TO THE MUSIC YOU ARE LISTENING TO :



(\*PASS MEANS EQUALIZER IS "BY-PASSED" OR "OFF")

### OPERATION OF RADIO

- PRESS THE "ON/OFF" KEY ONCE TO SWITCH ON THE UNIT.
- PRESS THE **[TUNER]** KEY TO SELECT THE DESIRED RADIO BAND.
- FOR MW (AM) STATIONS, ROTATE OR REPOSITION THE SET TO IMPROVE RADIO RECEPTION.
- FOR FM STATIONS, EXTEND AND ADJUST THE TELESCOPIC ANTENNA TO OBTAIN THE BEST RECEPTION.
- USE THE FM MONO/STEREO BUTTON TO SELECT THE DESIRED MODE. IN SOME CASES, WHERE RECEPTION IS POOR, IT MAY BE ADVISABLE TO SELECT "MONO" MODE, TO IMPROVE CLARITY OF THE RADIO SIGNAL.

### MANUAL FREQUENCY ADJUSTMENT (SCAN MODE)

- PRESS (AND IMMEDIATELY RELEASE) THE **NEXT** KEY OR **BACK** KEY TO "SCAN" (MANUALLY ADJUST) THE RADIO FREQUENCY "UP" OR "DOWN" BY 1-STEP AT A TIME.
- THE RADIO DIGITAL DISPLAY WILL INDICATE THE EXACT FREQUENCY AT EACH STEP'S POSITION.
- WHEN A DESIRED FREQUENCY OR STATION IS REACHED, IT CAN BE SAVED INTO ONE OF THE "MEMORY" POSITIONS. (SEE "RADIO MEMORY" SECTION).

### AUTOMATIC FREQUENCY ADJUSTMENT (SEEK MODE)

- PRESS AND HOLD (FOR 2 SECONDS) THE **NEXT** OR **BACK** KEYS TO "SEEK" (AUTOMATICALLY ADJUST) THE RADIO FREQUENCY "UP" OR "DOWN" TO THE NEXT AVAILABLE RADIO STATION.
- THE RADIO DIGITAL DISPLAY WILL INDICATE THE EXACT FREQUENCY OF THE NEXT STATION THAT IS FOUND.
- WHEN A DESIRED STATION IS REACHED, IT CAN BE SAVED INTO ONE OF THE "MEMORY" POSITIONS. (SEE "RADIO MEMORY" SECTION).

### RADIO MEMORY (STATION PRESET MEMORY STORAGE)

- AT ANY TIME, THE CURRENTLY DISPLAYED STATION OR FREQUENCY CAN BE STORED INTO ONE OF THE MEMORY POSITION.
- PRESS **[PROGRAM]** KEY ONCE.
- PRESS **[M+]** OR **[M-]** TO SELECT DESIRED MEMORY POSITION. (THERE ARE 10 MEMORY POSITIONS FOR EACH RADIO BAND).
- PRESS **[PROGRAM]** KEY ONCE TO SAVE THE SELECTED STATION INTO THE SELECTED MEMORY POSITION.
- TO RECALL ANY SAVED MEMORY, SIMPLY PRESS **[M+]** OR **[M-]** , THE SAVED RADIO-BAND WILL BE RECALLED.
- TO CLEAR THE MEMORY OF ANY POSITION, SIMPLY SAVE A NEW STATION TO THE SAME MEMORY POSITION.

### INSERTION AND REMOVAL OF DISCS

PRESS THE "FUNCTION" KEY REPEATEDLY UNTIL THE DISPLAY SHOWS "CD". PRESS THE OPEN/ CLOSE KEY TO OPEN THE CD-DOOR. CAREFULLY PLACE A COMPACT DISC (CD OR MP3 DISC) ONTO THE CENTER SPINDLE WITH THE LABEL SIDE (PRINTED SIDE OF DISC) FACING OUTWARDS (TOWARDS YOU). PRESS THE "OPEN/ CLOSE" BUTTON TO AUTOMATICALLY CLOSE THE CD-DOOR. THE CD-DISPLAY WILL SHOW THE TOTAL NUMBER OF TRACKS ON THE DISC AFTER A FEW SECONDS. THE CD IS NOW READY TO BE PLAYED. TO REMOVE A DISC, PRESS THE OPEN/ CLOSE KEY. THE DOOR WILL OPEN UPWARDS ALLOWING THE REMOVAL OF THE CD INSIDE.

**IMPORTANT:** ALWAYS HOLD A CD BY IT'S EDGES . AVOID GETTING ANY FINGER-PRINTS, SMUDGES OR DIRT ONTO THE SURFACE OF A DISC. IN CASE THIS HAPPENS, USE A SPECIAL CD-CLEANING CLOTH OR CLEANING KIT TO REMOVE THE DIRT OR SMUDGES .

### NORMAL CD OPERATION

- PRESS "ON/OFF" KEY TO SWITCH ON THE UNIT.
- PRESS THE "FUNCTION" KEY REPEATEDLY UNTIL THE DISPLAY SHOWS "CD"
- PRESS THE "OPEN/ CLOSE" KEY & INSERT A CD AS DESCRIBED.
- PRESS **[PLAY]** KEY. THE DISK WILL START SPINNING & THE FIRST SONG (TRACK) WILL START PLAYING. THE DISPLAY WILL INDICATE THE CURRENT TRACK NO.
- AT ANY ANYTIME DURING PLAYBACK, PRESS THE **[PLAY]** KEY TO PAUSE OPERATION OF THE UNIT. PRESS **[PLAY]** KEY TO RESUME OPERATION AT THE SAME TRACK & POSITION.
- AT ANYTIME DURING PLAYBACK, PRESS THE **[STOP]** KEY TO STOP OPERATION OF THE SET. THIS WILL RESET THE SET TO THE FIRST TRACK (IF YOU PRESS PLAY AFTER STOP, THE FIRST TRACK WILL ALWAYS START PLAYING).
- AT ANYTIME DURING PLAYBACK, PRESS AND RELEASE THE **NEXT** OR **BACK** KEYS TO SKIP FORWARD OR BACKWARDS BY ONE TRACK, AS DESIRED.
- ANY ANYTIME DURING PLAYBACK, PRESS AND HOLD THE **NEXT** OR **BACK** KEYS TO FAST-FORWARD (CUE) OR FAST-REVERSE (REVIEW) THE SPECIFIC TRACK, WHICH IS CURRENTLY PLAYING.

### PROGRAMMING THE CD-PLAYER

- THE CD PLAYER CAN BE PROGRAMMED TO PLAY ANY SEQUENCE OF UPTO 64 TRACKS, AS DESIRED.
- ALWAYS PRESS THE **[STOP]** KEY BEFORE STARTING THE PROGRAMMING.
- PRESS THE **[PROGRAM]** KEY ONCE, THE DISPLAY WILL SHOW THE "MEMORY" SYMBOL TO INDICATE THAT THE SET IS NOW IN "MEMORY PROGRAMMING MODE".

### FOR NORMAL CD-AUDIO DISCS:

- PRESS THE **NEXT** OR **BACK** TO SELECT THE TRACK (SONG) NUMBER YOU WISH TO BE STORED IN THE CURRENT MEMORY (PROGRAM) POSITION.
- PRESS THE **[PROGRAM]** KEY TO CONFIRM YOUR SELECTION.
- REPEAT THE PREVIOUS 2 STEPS, EACH TIME SELECTING ANY TRACK NUMBER OF YOUR CHOICE TO BE STORED IN SUCCESSIVE (PROGRAM) POSITIONS.
- AFTER A MAXIMUM OF 64 SONGS (OR LESS) HAVE BEEN SELECTED AS DESCRIBED ABOVE, PRESS **[PROGRAM]** KEY, THE DISPLAY WILL NOW SHOW MEMORY TO INDICATE YOU HAVE SAVED A PROGRAM-MEMORY.
- PRESS **[PLAY]** KEY, THE CD-PLAYER WILL PLAYBACK THE "SAVED SEQUENCE" IN THE PROGRAM MEMORY.
- TO CLEAR (CANCEL) THE ENTIRE PROGRAM WHICH IS STORED IN THE MEMORY, SIMPLY PRESS **[STOP]** KEY, THIS WILL RESET THE MEMORY & CLEAR THE PROGRAM.

### FOR CD-MP3 DATA DISCS:

- PRESS THE **NEXT** OR **BACK** TO SELECT THE ALBUM (FOLDER DIRECTORY) NUMBER WHICH CONTAINS THE SONG YOU WISH TO SELECT
- PRESS THE **[PROGRAM]** KEY TO CONFIRM
- PRESS THE **NEXT** OR **BACK** TO SELECT THE TRACK (SONG) NUMBER YOU WISH TO BE STORED IN THE CURRENT MEMORY (PROGRAM) POSITION.
- PRESS THE **[PROGRAM]** BUTTON TO CONFIRM YOUR SELECTION.
- REPEAT THE PREVIOUS 4 STEPS, EACH TIME SELECTING ANY ALBUM AND TRACK NUMBER OF YOUR CHOICE TO BE STORED IN SUCCESSIVE (PROGRAM) POSITIONS.
- AFTER A MAXIMUM OF 64 SONGS (OR LESS) HAVE BEEN SELECTED AS DESCRIBED ABOVE, PRESS **[PROGRAM]** KEY, THE DISPLAY WILL NOW SHOW MEMORY TO INDICATE YOU HAVE SAVED A PROGRAM-MEMORY.
- PRESS **[PLAY]** KEY, THE CD-PLAYER WILL PLAYBACK THE "SAVED SEQUENCE" IN THE PROGRAM MEMORY.
- TO CLEAR (CANCEL) THE ENTIRE PROGRAM WHICH IS STORED IN THE MEMORY, SIMPLY PRESS **[STOP]** KEY, THIS WILL RESET THE MEMORY & CLEAR THE PROGRAM.

### WHAT IS MP3 ?

- MP3 (MPEG 2, LAYER 3) IS A DIGITAL FILE FORMAT FOR AUDIO (MUSIC).
- YOU CAN DOWNLOAD MP3 SONGS FROM MANY WEBSITES ON THE INTERNET (PLEASE OBSERVE THE COPYRIGHT REGULATIONS OF YOUR COUNTRY).
- MP3 SONGS ARE MUCH SMALLER IS MEMORY SIZE COMPARED WITH NORMAL CD-AUDIO FORMAT SONGS. THIS IS CALLED "COMPRESSION" & IT ALLOWS MUCH MORE RECORDING TIME ON A STANDARD CD THAN THE NORMAL 74 MINUTES (FOR NORMAL CD-AUDIO).

- THE EXACT LENGTH OF RECORDING TIME DEPENDS ON THE "COMPRESSION RATE" OF THE MP3 SONG YOU HAVE DOWNLOADED.
- COMPRESSION RATE IS SPECIFIED IN "KBPS" (KILOBITS PER SECOND), FOR EXAMPLE : "128 KBPS": THE HIGHER THIS NUMBER, THE BIGGER THE MP3 FILE SIZE (THE BETTER THE SOUND QUALITY) AND THE LOWER THE RECORDING TIME ON A CD-R. NORMALLY BASED ON 128 KBPS, YOU SHOULD HAVE APPROX. 250-300 MINUTES OF RECORDING TIME ON A CD-R.
- MP3 SONGS CAN BE RECORDED WITH SOME "TEXT INFORMATION" AS PART OF THE SAME FILE. IT CONSISTS OF (AMONG OTHER DETAILS):
  - FILE NAME (SONG NAME)
  - ARTIST NAME
- YOUR CD-MP3 PLAYER CAN LOCATE ("FIND") A SONG ON AN MP3-CD DISC FROM THE "FILE NAME", THEREFORE YOU SHOULD TRY TO NAME ALL YOUR MP3 FILES WITH THE ACTUAL NAME OF THE SONG THAT IT CONTAINS.
- THERE ARE BASICALLY 2 WAYS TO MAKE AN MP3-CD WITH YOUR FAVORITE SONGS :
  - DOWNLOAD MP3 SONGS FROM INTERNET & BURN THEM ON A CD-R DISC ON YOUR COMPUTER.
  - CONVERT CD-AUDIO FILES (FROM A NORMAL MUSIC CD) ONTO YOUR COMPUTER INTO MP3 FORMAT, USING A KIND SOFTWARE CALLED "CD-RIPPER". (WHICH IS FREEWARE/SHAREWARE ON INTERNET).

### HOW TO PLAY MP3 DISCS

- PRESS "ON/OFF" KEY TO SWITCH ON THE UNIT.
- INSERT AN MP3 CD INTO THE PLAYER AND CLOSE THE CD DOOR.
- PRESS THE **[PLAY]** KEY.
- THE DISK WILL SPIN AND THEN PLAYBACK THE FIRST SONG (TRACK), THE DISPLAY WILL INDICATE THE CURRENT TRACK NO. ("001" IF IT IS THE FIRST TRACK) AS WELL AS THE PLAY TIME OF THAT TRACK IN MINUTES AND SECONDS.
- AT ANYTIME DURING PLAYBACK, PRESS **[PLAY]** KEY TO PAUSE OPERATION OF THE UNIT. PRESS **[PLAY]** KEY TO RESUME OPERATION AT THE SAME TRACK & POSITION.
- AT ANYTIME DURING PLAYBACK, PRESS AND RELEASE **NEXT** OR **BACK** TO SKIP FORWARDS OR BACKWARDS BY ONE TRACK.
- AT ANYTIME DURING PLAYBACK, PRESS AND HOLD **NEXT** OR **BACK** TO REVIEW (FAST REWIND) OR CUE (FAST FORWARDS) THE CURRENT TRACK.
- AT ANYTIME DURING PLAYBACK, PRESS AND HOLD **[FIND]** KEY FOR 1 SECOND. THE DISPLAY WILL SHOW THE FILE NAME (SONG NAME) INFORMATION.

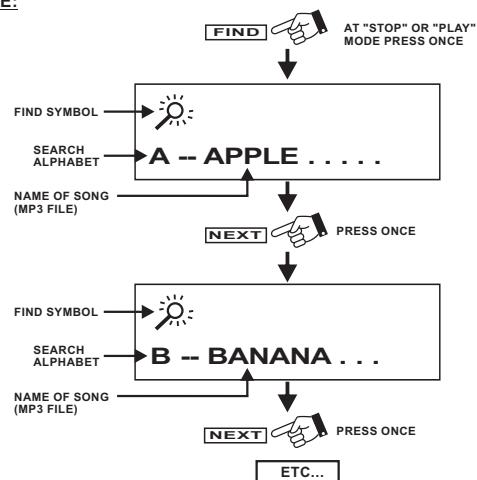
### TEXT DISPLAY MODE (id3 display)

- THIS UNIT IS CAPABLE OF DISPLAYING THE "TEXT INFORMATION" (id3 TAG) OF AN MP3 SONG ON THE LCD DISPLAY.
- TO SWITCH ON THIS FUNCTION, SIMPLY PRESS & HOLD THE **[FIND]** KEY FOR 3 SECONDS.
- TO SWITCH BACK TO NORMAL DISPLAY MODE (TO DISPLAY TRACK NUMBER, etc.), PRESS & HOLD THE **[FIND]** KEY AGAIN FOR 3 SECONDS.

## FINDING (SEARCHING) MP3 SONGS BY SONG NAME

- AT STOP OR PLAY MODES, PRESS **[FIND]** KEY ONCE.
- THE "FIND" SYMBOL WILL "FLASH" IN THE DISPLAY, AND THE LETTER "A" WILL BE SHOWN.
- THIS IS THE "SEARCH ALPHABET".
- PRESS **NEXT** OR **BACK** KEYS TO ADVANCE THE "SEARCH ALPHABET" (A→B→C→D...) TO SELECT THE DESIRED SEARCH ALPHABET.
- AT EVERY SELECTED "SEARCH ALPHABET" THE LOWER PART OF THE DISPLAY WILL SHOW THE NAME OF THE FIRST SONG BEGINNING WITH THAT SELECTED ALPHABET, ON THE DISC.

**EXAMPLE:**

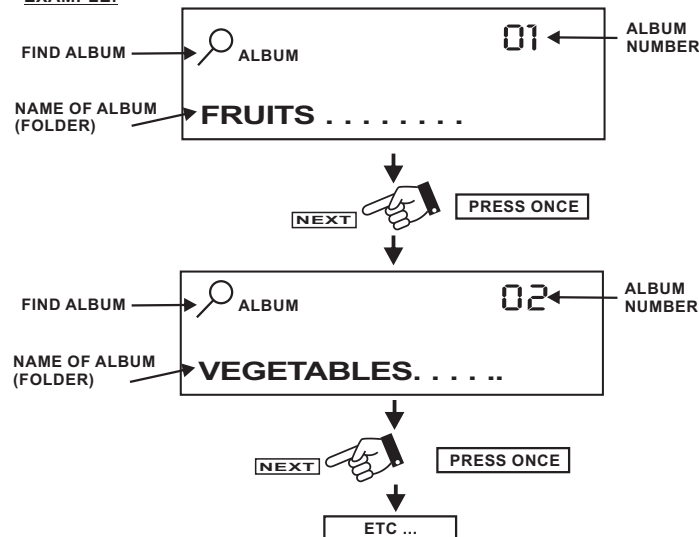


- WITH ANY SELECTED ALPHABET, THERE MIGHT BE SEVERAL SONGS ON THE DISC (WHICH BEGIN WITH THE SAME ALPHABET). TO SEARCH FOR **ALL** SONGS BEGINNING WITH A PARTICULAR ALPHABET, PRESS AND "HOLD" THE **NEXT** OR **BACK** KEYS (FOR 2 SECONDS) UNTIL THE "FIND" STOPS FLASHING IN THE DISPLAY.
- ONCE THE "FIND" SYMBOL STOPS FLASHING, PRESS THE **NEXT** KEY TO DISPLAY THE NEXT SONG STARTING WITH SAME ALPHABET. REPEAT UNTIL DESIRED SONG IS LOCATED.
- AT ANYTIME, WHEN YOU HAVE LOCATED A DESIRED SONG (AS SHOWN ON SCREEN) JUST PRESS "PLAY" ► TO LISTEN TO IT.
- TO EXIT THE "FIND" MODE PRESS THE **[FIND]** KEY TWICE UNTIL THE "FIND" SYMBOL DISAPPEARS FROM THE DISPLAY.

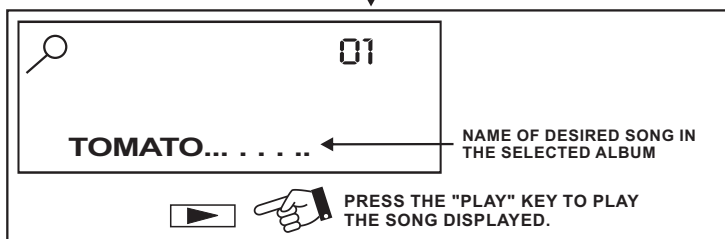
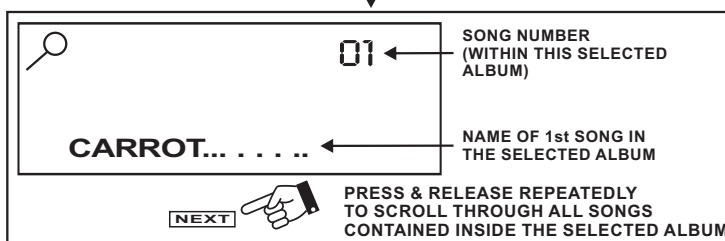
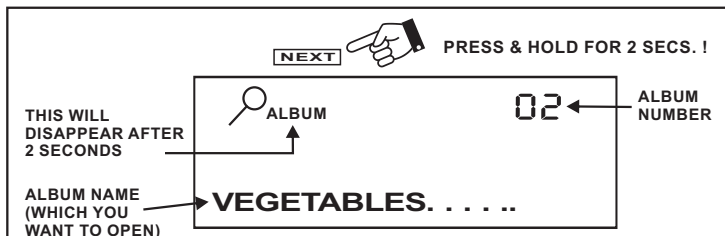
## FINDING (SEARCHING) MP3 SONGS BY ALBUM (FOLDER)

- MP3 FILES (SONGS) CAN BE ORGANIZED INTO FOLDERS (DIRECTORIES) WHEN YOU RECORD THEM ON TO A CD-R DISC. EACH FOLDER IS CALLED AN "ALBUM" AND YOU CAN (FOR EXAMPLE) ORGANIZE YOUR ALBUMS ON A DISC SO THAT EACH ALBUM CONTAINS SONGS BY A PARTICULAR ARTIST, OR ALTERNATIVELY, BY A DIFFERENT GENRE OR TYPE. YOU CAN ORGANIZE SONGS & ALBUMS IN ANY WAY YOU WISH SO THAT YOU CAN LOCATE & PLAY BACK THOSE SONGS WITH GREATER EASE & CONVENIENCE.
- TO SEARCH FOR SONGS WITHIN A PARTICULAR ALBUM, PRESS THE **[FIND]** KEY TWICE WHEN AN MP3-CD IS PLAYING (OR STOPPED).
- THE "FIND" & "ALBUM" SYMBOLS WILL ACTIVATE IN THE DISPLAY, TOGETHER WITH THE NUMBER "1". THIS IS THE "ALBUM NUMBER" (IT INDICATES THE NUMBER OF THE FOLDER ON THE DISC).
- PRESS **NEXT** or **BACK** TO ADVANCE THE ALBUM NUMBER (01→02→03→...). THE NAME OF EACH ALBUM (THE DIRECTORY NAME) WILL APPEAR IN THE LOWER PART OF THE DISPLAY FOR EACH SELECTED ALBUM NUMBER.

**EXAMPLE:**



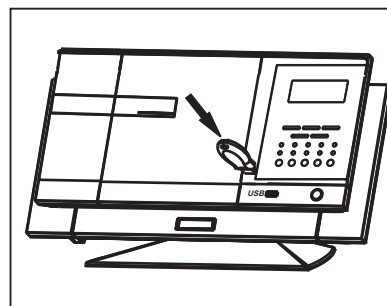
- WHEN THE DESIRED ALBUM NAME APPEARS ON SCREEN, "PRESS & HOLD" THE **NEXT** KEY (FOR 2 SECONDS) UNTIL THE "ALBUM" SYMBOL DISAPPEARS. THIS WILL OPEN THE SELECTED ALBUM & ALLOWS YOU TO DISPLAY ALL THE SONGS CONTAINED INSIDE THAT ALBUM SO THAT YOU CAN SELECT THE DESIRED SONG BY USING THE **NEXT** KEY & PLAY IT BY USING THE ► "PLAY" KEY.



- TO EXIT THE "FIND" MODE PRESS THE **[FIND]** KEY ONCE UNTIL THE "FIND" SYMBOL DISAPPEARS FROM THE DISPLAY.

## USB FLASH DRIVE MP3 PLAYBACK

- THIS UNIT IS EQUIPPED WITH A USB SOCKET WHICH CAN ACCEPT AND PLAY MP3 FILES STORED ON STANDARD USB FLASH DRIVES (ALSO KNOWN AS "PEN DRIVES") WHICH ARE FOR MEMORY STORAGE. (COMPATIBLE WITH USB VERSION 1.1 & 2.0).
- TO UTILIZE THIS FUNCTION PRESS THE "FUNCTION" KEY REPEATEDLY UNTIL THE DISPLAY SHOWS "CARD-USB", & THEN INSERT A USB FLASH DRIVE INTO THE USB SOCKET
- PRESS **[NEXT]** OR **[BACK]** TO SKIP FORWARD OR BACKWARDS TO SELECT THE DESIRED MP3 FILE ON THE USB FLASH MEMORY DRIVE.
- PRESS **[PLAY]** TO START PLAY BACK OF THE SELECTED SONG.



**IMPORTANT**  
ALWAYS SELECT THE "CARD-USB" MODE **FIRST** (USING **[FUNCTION]** KEY) BEFORE INSERTING A USB FLASH DRIVE.

**NOTE:**  
ALTHOUGH THIS PRODUCT IS FULLY COMPATIBLY WITH USB 1.1 & 2.0 STANDARDS, A SMALL PERCENTAGE (ABOUT 5%) OF USB FLASH DRIVES MIGHT NOT BE READABLE, DUE TO THOSE USB-FLASH DRIVE MANUFACTURERS NON-COMPLIANCE WITH THE FULL (OFFICIAL) USB 1.1 / 2.0 STANDARDS.

## DISPLAYING THE SONG NAME (id3)



REMEMBER TO PRESS & HOLD THE **[FIND]** KEY FOR 3 SECONDS TO SWITCH ON THE "TEXT DISPLAY MODE" (TO DISPLAY id3 TAG INFORMATION OF THE SONG ON THE LCD DISPLAY).

## REPEAT PLAYBACK FUNCTION

- AT ANYTIME DURING PLAYBACK:
- PRESS **[REPEAT]** KEY REPEATEDLY TO SELECT
  - [REPEAT 1]** = TO REPEAT THE CURRENT TRACK
  - [REPEAT ALL]** = TO REPEAT ALL TRACK (FULL CD)
  - [REPEAT ALBUM]** = TO REPEAT ALL SONGS FROM CURRENTLY SELECTED ALBUM(DIRECTORY)





### ANTI-SKIP (ANTISHOCK) FUNCTION [ESP]

- THIS UNIT HAS A BUILT-IN DIGITAL ANTI-SKIP FUNCTION WHICH PREVENTS CD "SKIPPING" WHEN THE UNIT IS PHYSICALLY MOVED OR SUBJECTED TO VIBRATIONS FOR UP TO 100 SECONDS.
- WHENEVER ANY CD OR CD-MP3 DISC IS PLAYED, THE DISPLAY WILL INDICATE A FLASHING  SYMBOL FOR ABOUT 50 SECONDS. THIS MEANS THAT THE ANTI-SKIP MEMORY IS BEING FILLED UP (BUT IS NOT YET FULL). THE ANTI-SHOCK PROTECTION IS ALREADY ACTIVE (IN USE) AT THIS TIME, BUT IS NOT YET UP TO THE MAXIMUM 100 SECONDS CAPACITY.
- ONCE THE  SYMBOL STOPS FLASHING, THE ANTI-SHOCK MEMORY IS FULL & THE UNIT NOW PROVIDES ANTI-SKIP PROTECTION FOR 100 SECONDS OF VIBRATION.
- PLEASE NOTE THAT THE ANTI-SKIP FUNCTION ONLY PROTECTS AGAINST NORMAL VIBRATION OR MINOR MOVEMENT. SEVERE OR STRONG SHOCKS/ VIBRATIONS TO THE UNIT MAY STILL CAUSE SKIPPING.

### USING THE AUDIO LINE IN CONNECTION (DVD/ AUX)

- YOU CAN CONNECT THE AUDIO OUTPUT OF AN EXTERNAL DEVICE SUCH AS A DVD PLAYER TO THIS UNIT, TO LISTEN TO THE SOUND OF THAT DEVICE (DVD) THROUGH THE HIGH QUALITY AMPLIFIER OF THIS MUSIC SYSTEM.
- TO CONNECT THE EXTERNAL DEVICE (eg. DVD PLAYER) PLEASE USE A STANDARD RCA CABLE TO CONNECT THE "AUDIO LINE-OUT" OF THE DEVICE (LEFT AND RIGHT CHANNELS) TO THE "AUX/DVD AUDIO LINE-IN" RCA JACKS (LEFT AND RIGHT) ON THE REAR PANEL OF THIS UNIT.
- SWITCH THE FUNCTION SELECTOR TO "AUX" ON THE FRONT PANEL.
- MAKE SURE THAT THE SPEAKERS ARE CONNECTED TO THE MAIN UNIT.
- SWITCH ON THE POWER OF THE MAIN UNIT AND THE EXTERNAL DEVICE (DVD PLAYER).
- START PLAYBACK OF THE EXTERNAL DEVICE (DVD) AND ADJUST THE VOLUME CONTROL OF THE MAIN UNIT TO THE DESIRED LEVEL.
- REMEMBER TO SWITCH OFF THE POWER OF THE MUSIC SYSTEM (MAIN UNIT) WHEN YOU ARE FINISHED USING THE EXTERNAL DEVICE.

### RANDOM-PLAY FUNCTION

- THE UNIT IS EQUIPPED WITH A SPECIAL FUNCTION WHICH ALLOWS YOU TO LISTEN TO ALL THE TRACKS (SONGS) ON A CD IN "RANDOM" ORDER.
- TO ACTIVATE THIS FUNCTION, SIMPLY PRESS THE  KEY ONCE, THE DISPLAY SHOW "RND".
- TO CANCEL RANDOM-PLAY FUNCTION, SIMPLY PRESS  KEY ONCE.

E-17

### CONNECTING AN EXTERNAL POWERED SUBWOOFER (NOT INCLUDED)

- THIS UNIT HAS A BUILT IN SUBWOOFER CONNECTION WHICH CAN BE CONNECTED TO ANY STANDARD POWERED SUBWOOFER.
- BY CONNECTING TO A POWERED SUBWOOFER, THE LOW FREQUENCY (BASS SOUND) CAN BE STRONGLY ENHANCED TO PROVIDE A MUCH RICHER AND DEEPER SOUND TO YOUR MUSIC.
- TO USE THIS FACILITY, SIMPLY CONNECT ANY STANDARD POWERED SUBWOOFER (EASILY AVAILABLE FROM MOST MUSIC EQUIPMENT SHOPS) USING THE RCA JACK ON THE REAR PANEL OF THE MAIN UNIT.
- SWITCH ON THE POWERED SUBWOOFER.
- PLAY ANY MUSIC SOURCE (CD or RADIO or AUX) AS USUAL.
- YOU WILL IMMEDIATELY NOTICE THE DEEPER SOUND, WHICH CAN BE FURTHER ENHANCED BY SWITCHING ON THE "SUPER BASS" FUNCTION ON THE MAIN UNIT.
- PLEASE NOTE THAT THE SPEAKERS SHOULD BE CONNECTED AS USUAL TO THE MAIN UNIT, WHEN USING A SUBWOOFER.
- PLEASE NOTE THAT "PASSIVE" (NON-POWERED) SUBWOOFERS WILL NOT WORK WITH THIS UNIT.

### SPECIFICATIONS

AC-POWER SUPPLY : ..... AC 230V ~ , 50 Hz  
AC-POWER CONSUMPTION : .....32W  
REMOTE CONTROL UNIT : .....3V (AAA SIZE/ UM-4/ LR03/ R03G x 2 PCS)  
(BATTERIES NOT INCLUDED)  
SPEAKER : ..... 4" x 2 WOOFER + 1½" X 2 TWEETER  
SPEAKER CAPACITY POWER : .....@ 4 Ohm  
AMPLIFIER MAXIMUM POWER : ..... 10 W

THE APPARATUS SHOULD NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS SHOULD BE PLACED ON THE APPARATUS.

THE MARKING AND RATING LABEL IS LOCATED AT REAR ENCLOSURE OF THE APPARATUS.

THE MAINS PLUG IS USED AS THE DISCONNECT DEVICE AND IT SHALL REMAIN READILY OPERABLE. TO BE COMPLETELY DISCONNECTED THE POWER INPUT, THE MAINS PLUG OF THE APPARATUS SHALL BE DISCONNECTED FROM THE MAINS COMPLETELY. THE MAINS PLUG SHOULD NOT BE OBSTRUCTED OR SHOULD BE EASILY ACCESSED DURING INTENDED USE.

UNDER THE INFLUENCE OF ELECTROSTATIC PHENOMENON, THE PRODUCT MAY MALFUNCTION AND REQUIRE USER TO POWER RESET.

E-18

## SYSTEM SET UP PROCEDURE

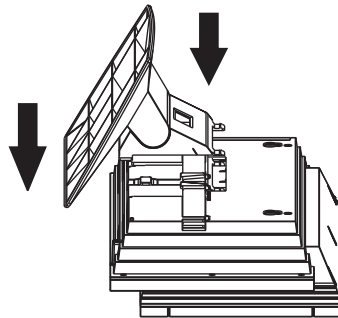
### A. AS A "SHELF SYSTEM" (TABLE TOP USE)

- INCLUDED 1 PC STAND FOR THE MAIN UNIT (  )

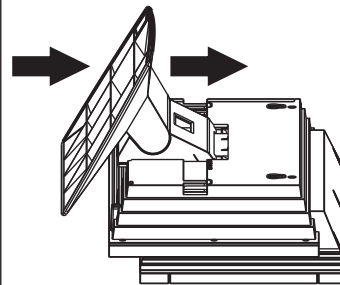
- INCLUDED 2 PCS STAND FOR THE SPEAKERS (  )

#### FIXING THE BASE TO THE MAIN UNIT:

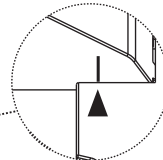
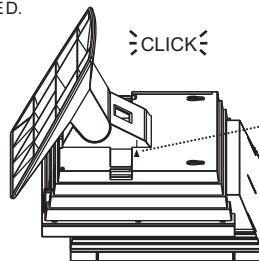
1. PLACE THE STAND UNDER THE MAIN UNIT OR SPEAKERS



2. SLIDE THE STAND UPWARD (SEE DIAGRAM BELOW).



3. STOP WHEN ARROWS ARE ALIGNED (SEE DIAGRAM). THE STAND IS NOW LOCKED TO MAIN UNIT OR SPEAKERS. (TO RELEASE THE STAND FROM THE MAIN UNIT OR SPEAKERS, SLIDE THE STAND DOWNWARDS (OPPOSITE DIRECTION) UNTIL IT BECOMES RELEASED.



WHEN THESE ARROWS ARE ALIGNED THE BASE IS PROPERLY INSTALLED ONTO MAIN UNIT